

IBM® Machine Type	Model	Processor	Speed ¹ /Core	L3 Cache	Memory	Disk	Disk controller	Optical	Slots x bays	Hard disk bays	Power supply	Ethernet	Available date
2582 - 32x		Pentium® G850	2.9GHz/2C	3MB	1x2GB	open	SATA (embedded RAID)	DVD-ROM	4x6	4 fixed	350W	2xGb	Oct 2011
2582 - 42x		Core™ i3-2100	3.1GHz/2C	3MB	1x2GB	open	SATA (embedded RAID)	DVD-ROM	4x6	4 fixed	350W	2xGb	Oct 2011
2582 - 62x		Xeon® E3-1220	3.1GHz/4C	8MB	1x2GB	open	SATA (embedded RAID)	DVD-ROM	4x6	4 fixed	350W	2xGb	Oct 2011
2582 - 82x		Xeon E3-1270	3.4GHz/4C	8MB	1x4GB	open	SATA (embedded RAID)	DVD-ROM	4x6	4 fixed	300W	2xGb	Oct 2011
2582 - EBx		Core i3-2100	3.1GHz/2C	3MB	1x2GB	open	SATA (embedded RAID)	multiburner	4x6	4 fixed	350W	2xGb	Oct 2011
2582 - EDx		Xeon E3-1220	3.1GHz/4C	8MB	1x2GB	open	SATA (embedded RAID)	multiburner	4x6	4 fixed	350W	2xGb	Oct 2011
2582 - EEx		Xeon E3-1230	3.2GHz/4C	8MB	1x4GB	open	SATA (embedded RAID)	multiburner	4x6	4 fixed	350W	2xGb	Oct 2011

Positioning Processor(s)	Single socket, entry server engineered for small businesses One Intel® processor at up to 3.4GHz with 1333MHz FSB and 8MB L3 / up to 4 Core / all Virtualization Technology (VT-x) capable / all Optimized for Extended Memory 64 Technology												
L3 cache Implementation	8MB std on Xeon / 3MB std on Core and Pentium Systemboard contains one LGA-1155 socket, four DIMM sockets, four slots(1 PCI-E x16 Gen 2, 1 PCI-E x8 Gen 2, 1 PCI-E x4 Gen 2, and 1 PCI-E x1 Gen 2), integrated SATA and Gigabit Ethernet.												
SMP support	No SMP support / no processor upgrade												
Memory	2 or 4GB std / 32GB ¹³ max / four DIMM sockets / PC3-10600 1333MHz ECC DDR3-SDRAM												
SATA controller	ServeRAID C100 / six channel SATA controller (3.0Gb/sec) / integrated / supports up to four drives standard / RAID 0/1/10 / upgradeable to RAID 0/1/5/10 via optional ServeRAID M1000 key												
Disk	Open / none standard												
Rack support Bus slots (see below)	Support via tower-to-rack kit option One PCI-E x16 slot / one PCI-E x8 slot / one PCI-E x4 slot / one PCI-E x1 slot												
Chipset	Intel C202 chipset / Platform Controller Hub (PCH) for PCI 2.3, SATA, USB, Low Pin Count Interface / Firmware Hub												
Ethernet	Dual Gigabit Ethernet port / Intel WG82574L / fully integrated Gigabit Ethernet Media Access Control(MAC) and Physical-Layer(PHY) capabilities / on planar / full-duplex / Preboot eXecution Environment (PXE) / Wake on LAN®												
Optical / diskette Ports	DVD-ROM or Multiburner, SATA / optional USB only <i>Front:</i> two USB(2.0); <i>Rear:</i> one serial(9-pin), four USB(2.0), two ethernet(RJ-45), video(DB-15)												
Diagnostics	Diagnostic LEDs / error LEDs for fans and memory / PC Doctor diagnostic program stored on IBM Diagnostics CD												
Systems Management	Integrated Management Module v2 (IMM2) / Renesas SH7757 / IPMI 2.0 / SOL / TPM 1.2 / provides system and environmental monitoring, event recording, alert capability / upgradeable to Remote Presence via IBM Virtual Media Key												
Graphics controller	SVGA / Matrox® G200eR2 integrated in IMM on systemboard / 16MB SDRAM std/max												
Security	Mechanical side panel key lock / power-on password / boot sequence control / operation without kybd/mouse												
Keyboard / mouse	Optional / USB only												
Cooling fans	Two variable speed fans (rear, power supply) / not redundant / not hot-swap												
Power supply	300W 80+ certified or 350W / universal / manual switching / Automatic Server Restart (ASR) / not hot-swap / not redundant / cooling fan in power supply												

Mini-tower**Stealth black**

- ✧ Removable left side panel
- ✧ Configuration/Setup Utility (in flash memory) invoked by pressing F1 at startup
- ✧ Advanced Configuration Power Interface (ACPI) 2.0
- ✧ Device Drivers and Diagnostics CD-ROM included
- ✧ Four stabilizing feet

- Bay ① 5.25", HH 1.6", access, optical
 Bay ② 5.25", HH 1.6", access, open (no disk)
 Bay ③ 3.5", SL 1", access, open
 Bay ④ 3.5", SL 1", access, open
 Bay ⑤ 3.5", SL 1", access, open
 Bay ⑥ 3.5", SL 1", access, open

- Slot 1: full height, full length PCI-E x16 (x8 electrical)
 Slot 2: full height, full length PCI-E x8
 Slot 3: full height, full length PCI-E x4
 Slot 4: full height, full length PCI-E x1

- ✧ H 14.7" x W 7.08" x D 18.89"
- ✧ H 360mm x W 180mm x D 480mm
- ✧ 22 to 28.6 pounds (10 to 13kg)
- ✧ Maximum internal disk capacity¹³: 12TB with four 3TB SATA disks

1GB 1Rx8 PC3-10600 DDR3-1333 LP UDIMM	44T1568
2GB 1Rx8 PC3-10600 DDR3-1333 LP UDIMM	44T1570
4GB 2Rx8 PC3-10600 DDR3-1333 LP UDIMM	44T1571
8GB 2Rx8 PC3-10600 DDR3-1333 LP UDIMM	90Y3165
IBM 250GB SATA 3.5" SS HDD	43W7750
IBM 250GB SATA II (7.2K) simple-swap HDD	39M4508
IBM 500GB SATA II (7.2K) simple-swap HDD	39M4514
IBM Server 1TB 7200 SATA 3.5" SS HDD	43W7622
IBM 2TB 7200 SATA 3.5" SS HDD	42D0787
IBM 3TB 7.2K 6Gbps SATA 3.5" SS HDD	81Y9778
IBM UltraSlim Enhanced SATA Multi-Burner	81Y6404
IBM DDS Generation 5 USB Tape Drive	46C5399
IBM DDS Generation 6 USB Tape Drive	39M5636
IBM 400/800 GB HH LTO3 SAS Tape Drive	43W8478
IBM Tower to rack conversion kit	69Y5182
ServeRAID-BR10i SAS/SATA Controller v2	49Y4731
ServeRAID M1015 SAS/SATA Controller	46M0831
ServeRAID M5014 SAS/SATA Controller	46M0916
ServeRAID M1000 Series Advance Feature Key	46M0832

Other options available at ibm.com**LIMITED WARRANTY³**

- 1 year parts and labor
- On site, 8 am-5 pm, Mon-Fri excluding holidays, next business day response time
- On site service upgrade options (in eligible locations):⁷
 - 3 year IOR 9x5, NBD avg response (ServicePac part num 91Y7299)
 - 3 year IOR 9x5, 4 hr avg response (ServicePac part num 91Y7255)
 - 3 year IOR 24x7, 4 hr avg response (ServicePac part num 91Y7256)
 - 3 year IOR 24x7, 2 hr avg response (ServicePac part num 91Y7257)
- 24x7¹⁴ toll-free support for warranty issues during the warranty period³